Appl. No. 10/015,158   Docket No. CE04833N
Amdt. Dated February 9, 2006   Customer No. 23330
Reply to Office Action of November 29, 2005

Amendments to the Claims:

1.   (Currently Amended) In a communication system, wherein a controller and a

communication resource are in communication via a communication link, a method for enabling

a communication resource reset, the method comprising:

providing a physical layer element within the communication resource, the physical layer

element being operatively coupled to the communication link;

monitoring a link parameter via the physical layer element, the link parameter being

associated with the communication link, and wherein the link parameter is associated with an

Ethernet link; and

restoring the communication resource to an initial state in response to a trigger event so

that the controller is operable to reestablish communication with the communication resource,

the trigger event being associated with the link parameter.

2.   (Original) The method of claim 1, wherein the step of providing a physical layer

element within the communication resource comprises providing a physical layer element within

a base station.

3.   (cancelled)

4.   (Original) The method of claim 1, wherein the step of monitoring a link parameter

via the physical layer element comprises monitoring link speed via the physical layer element,

and wherein the link speed is associated with the communication link.

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5.   (Original) The method of claim 1, wherein the step of restoring the

communication resource to an initial state in response to a trigger event such that the controller is

operable to reestablish communication with the communication resource comprises restoring the

communication resource to an initial state in response to a change in link speed associated with

the communication link.

6.   (Original) The method of claim 1, wherein the step of restoring the

communication resource to an initial state in response to a trigger event such that the controller is

operable to reestablish communication with the communication resource comprises restoring the

communication resource to an initial state in response to a decrease in link speed associated with

the communication link for a time period.

7.   (Original) The method of claim 1, wherein the step of restoring the

communication resource to an initial state in response to a trigger event such that the controller is

operable to reestablish communication with the communication resource comprises restoring the

communication resource to an initial state in response to a decrease in link speed associated with

the communication link from 100 megabits per second (Mb/s) to 10 megabits per second (Mb/s).

8.   (Original) The method of claim 1, wherein the communication system operates in

accordance to one of a code division multiple access (CDMA) based communication system and

a time division multiple access (TDMA) based communication system.

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9.   (Currently Amended) In a wireless communication system, the communication

system providing communication service to a plurality of mobile stations, wherein a base station

controller and a base station are in communication via a communication link, and wherein the

base station is operable to enable a reset, the base station comprising:

a processor;

a physical layer element operatively coupled to the processor and the communication

link;

a reset element operatively coupled to the processor and the physical layer element, the

reset element being operable to monitor a link parameter associated with the communication link

via the physical layer element, and wherein the link parameter is associated with an Ethernet

link; and

the reset element being operable to restore the base station to an initial state in response

to a trigger event so that the base station controller is operable to reestablish communication with

the base stationcommunication resource,

wherein the trigger event is associated with the link parameter.

10.   (cancelled)

11.   (Original) The base station of claim 9, wherein the link parameter associated with

the communication link comprises link speed associated with the communication link.

12.   (Original) The base station of claim 9, wherein the trigger event comprises a

change in link speed associated with the communication link.

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13.   (Original) The base station of claim 9, wherein the trigger event comprises a

decrease in link speed associated with the communication link for a time period.

14.   (Original) The base station of claim 9, wherein the trigger event comprises a

decrease in link speed associated with the communication link from 100 megabits per second

(Mb/s) to 10 megabits per second (Mb/s).

15.   (Original) The base station of claim 9, wherein the reset element comprises an

application specific integrated circuit.

16.   (Original) The base station of claim 9, wherein the base station operates in

accordance to one of a code division multiple access (CDMA) based communication system and

a time division multiple access (TDMA) based communication system.

17.   (Currently Amended) In a communication system, wherein a controller and a

communication resource are in communication via a communication link, and wherein a

processor operates in accordance to a logic circuit for enabling a communication resource reset,

the logic circuit comprising:

a first logic that directs the logic circuit to communicate with a physical layer element

within the communication resource, the physical layer element being operatively coupled to the

communication link;

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a second logic that directs the logic circuit to monitor a link parameter via a physical

layer element, the link parameter associated with the communication link, and wherein the link

parameter is associated with an Ethernet link; and

a third logic that directs the logic circuit to restore the communication resource to an

initial state in response to a trigger event so that the controller is operable to reestablish

communication with the communication resource,

wherein the trigger event is associated with the link parameter.

18.   (Original) The logic circuit of claim 17, wherein the first logic comprises a logic

that directs the logic circuit to communicate with a physical layer element within a base station.

19.   (cancelled)

20.   (Original) The logic circuit of claim 17, wherein the second logic comprises a

logic that directs the logic circuit to monitor link speed associated with the communication link.

21.   (Original) The logic circuit of claim 17, wherein the third logic comprises a logic

that directs the logic circuit to restore the communication resource to an initial state in response

to a change in link speed associated with the communication link.

22.   (Original) The logic circuit of claim 17, wherein the third logic comprises a logic

that directs the logic circuit to restore the communication resource to an initial state in response

to a decrease in link speed associated with the communication link for a time period.

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23.   (Original) The logic circuit of claim 17, wherein the third logic comprises a logic that directs the logic circuit to restore the communication resource to an initial state in response to a decrease in link speed associated with the communication link from 100 megabits per second (Mb/s) to 10 megabits per second (Mb/s).

24.   (Original) The logic circuit of claim 17, wherein the logic circuit comprises an application specific integrated circuit.

25.   (Original) The logic circuit of claim 17, wherein the communication system operates in accordance to one of a code division multiple access (CDMA) based communication system and a time division multiple access (TDMA) based communication system.

26.   (Currently Amended) In a communication system, wherein a controlling device and a controlled device are in communication via a communication link, an apparatus for resetting the controlled device, the apparatus comprising:

a physical layer element within the controlled device, the physically layer being operatively coupled to the communication link;

a reset element operatively coupled to the physical layer element, the reset element being operable to monitor a link parameter associated with the communication link via the physical layer element, and wherein the link parameter is associated with an Ethernet link; and

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the reset element being operable to restore the controlled device to an initial state in

response to a trigger event so that the controlling device is operable to reestablish

communication with the controlled device,

wherein the trigger event is associated with the link parameter.

27.   (cancelled)

28.   (Original) The apparatus of claim 26, wherein the link parameter associated with

the communication link comprises link speed associated with the communication link.

29.   (Original) The apparatus of claim 26, wherein the trigger event comprises a

change in link speed associated with the communication link.

30.   (Original) The apparatus of claim 26, wherein the trigger event comprises a

decrease in link speed associated with the communication link for a time period.

31.   (Original) The apparatus of claim 26, wherein the trigger event comprises a

decrease in link speed associated with the communication link from 100 megabits per second

(Mb/s) to 10 megabits per second (Mb/s).

32.   (Original) The apparatus of claim 26, wherein the reset element comprises an

application specific integrated circuit.

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33.   (Original) The apparatus of claim 26, wherein the controlled device operates in

accordance to one of a code division multiple access (CDMA) based communication system and

a time division multiple access (TDMA) based communication system.

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